

PAGE: 1

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/945,182DATE: 01/11/2002
TIME: 22:33:09

INPUT SET: S36718.raw

This Raw Listing contains the General
Information Section and up to the first 5 pages.

1 SEQUENCE LISTING
23 (1) General Information:
4

5 (i) APPLICANT: Celeste, Anthony J.
6 Wozney, John
7 Rosen, Vicki A.
8 Wolfman, Neil
9 Thomsen, Gerald H.
10 Melton, Douglas A.

2.
ENTERED

11 (ii) TITLE OF INVENTION: TENDON-INDUCING COMPOSITIONS
1213 (iii) NUMBER OF SEQUENCES: 35
1415 (iv) CORRESPONDENCE ADDRESS:
16 (A) ADDRESSEE: GENETICS INSTITUTE, INC.
17 (B) STREET: 87 CambridgePark Drive
18 (C) CITY: Cambridge
19 (D) STATE: Massachusetts
20 (E) COUNTRY: USA
21 (F) ZIP: 02140
2223 (v) COMPUTER READABLE FORM:
24 (A) MEDIUM TYPE: Floppy disk
25 (B) COMPUTER: IBM PC compatible
26 (C) OPERATING SYSTEM: PC-DOS/MS-DOS
27 (D) SOFTWARE: PatentIn Release #1.0, Version #1.25
2829 (vi) CURRENT APPLICATION DATA:
30 (A) APPLICATION NUMBER: 09/945,182
31 (B) FILING DATE:
32 (C) CLASSIFICATION:
3334 (vii) PRIOR APPLICATION DATA:
35 (A) APPLICATION NUMBER: 08/808,324
36 (B) FILING DATE:
3738 (viii) ATTORNEY/AGENT INFORMATION:
39 (A) NAME: Lazar, Steven R.
40 (B) REGISTRATION NUMBER: 32,618
41 (C) REFERENCE/DOCKET NUMBER: 5202-D
4243 (ix) TELECOMMUNICATION INFORMATION:
44 (A) TELEPHONE: 617 498-8260
45

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/945,182DATE: 01/11/2002
TIME: 22:33:09

INPUT SET: S36718.raw

47 (B) TELEFAX: 617 876-5851
48
4950 (2) INFORMATION FOR SEQ ID NO:1:
5152 (i) SEQUENCE CHARACTERISTICS:
53 (A) LENGTH: 926 base pairs
54 (B) TYPE: nucleic acid
55 (C) STRANDEDNESS: single
56 (D) TOPOLOGY: linear
5758 (ii) MOLECULE TYPE: DNA (genomic)
5960 (vi) ORIGINAL SOURCE:
61 (A) ORGANISM: Homo sapiens
6263 (vii) IMMEDIATE SOURCE:
64 (B) CLONE: v1-1
6566 (ix) FEATURE:
67 (A) NAME/KEY: mat_peptide
68 (B) LOCATION: 571..882
6970 (ix) FEATURE:
71 (A) NAME/KEY: CDS
72 (B) LOCATION: 1..882
7374 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:
7577 GCG CGT AAT ACG ACT CAC TAT AGG GCG AAT TGG GTA CGG GGC CCA GGC
78 Ala Arg Asn Thr Thr His Tyr Arg Ala Asn Trp Val Arg Gly Pro Gly
79 -190 -185 -180 -175
80

48

81 AGC TGG ACT TCT CCG CCG TTG CTG CTG CTG TCC ACG TGC CCG GGC GCC
82 Ser Trp Thr Ser Pro Pro Leu Leu Leu Ser Thr Cys Pro Gly Ala
83 -170 -165 -160
84

96

85 GCC CGA GCG CCA CGC CTG CTG TAC TCG CGG GCA GCT GAG CCC CTA GTC
86 Ala Arg Ala Pro Arg Leu Leu Tyr Ser Arg Ala Ala Glu Pro Leu Val
87 -155 -150 -145
88

144

89 GGT CAG CGC TGG GAG GCG TTC GAC GTG GCG GAC GCC ATG AGG CGC CAC
90 Gly Gln Arg Trp Glu Ala Phe Asp Val Ala Asp Ala Met Arg Arg His
91 -140 -135 -130
92

192

93 CGT CGT GAA CCG CGC CCC CCC CGC GCG TTC TGC CTC TTG CTG CGC GCA
94 Arg Arg Glu Pro Arg Pro Arg Ala Phe Cys Leu Leu Arg Ala
95 -125 -120 -115
96

240

97 GTG GCA GGC CCG GTG CCG AGC CCG TTG GCA CTG CGG CGA CTG GGC TTC
98 Val Ala Gly Pro Val Pro Ser Pro Leu Ala Leu Arg Arg Leu Gly Phe
99 -110 -105 -100 -95

288

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/945,182DATE: 01/11/2002
TIME: 22:33:10

INPUT SET: S36718.raw

100	GGC TGG CCG GGC GGA GGG GGC TCT GCG GCA GAG GAG CGC GCG GTG CTA	336
101	Gly Trp Pro Gly Gly Gly Ser Ala Ala Glu Glu Arg Ala Val Leu	
102	-90 -85 -80	
103		
104		
105	GTC GTC TCC TCC CGC ACG CAG AGG AAA GAG AGC TTA TTC CGG GAG ATC	384
106	Val Val Ser Ser Arg Thr Gln Arg Lys Glu Ser Leu Phe Arg Glu Ile	
107	-75 -70 -65	
108		
109	CGC GCC CAG GCC CGC GCG CTC GGG GCC GCT CTG GCC TCA GAG CCG CTG	432
110	Arg Ala Gln Ala Arg Ala Leu Gly Ala Ala Leu Ala Ser Glu Pro Leu	
111	-60 -55 -50	
112		
113	CCC GAC CCA GGA ACC GGC ACC GCG TCG CCA AGG GCA GTC ATT GGC GGC	480
114	Pro Asp Pro Gly Thr Gly Thr Ala Ser Pro Arg Ala Val Ile Gly Gly	
115	-45 -40 -35	
116		
117	CGC AGA CGG AGG AGG ACG GCG TTG GCC GGG ACG CGG ACA GCG CAG GGC	528
118	Arg Arg Arg Arg Arg Thr Ala Leu Ala Gly Thr Arg Thr Ala Gln Gly	
119	-30 -25 -20 -15	
120		
121	AGC GGC GGG GGC GCG GGC CGG GGC CAC GGG CGC AGG GGC CGG AGC CGC	576
122	Ser Gly Gly Ala Gly Arg Gly His Gly Arg Arg Gly Arg Ser Arg	
123	-10 -5 1	
124		
125	TGC AGC CGC AAG CCG TTG CAC GTG GAC TTC AAG GAG CTC GGC TGG GAC	624
126	Cys Ser Arg Lys Pro Leu His Val Asp Phe Lys Glu Leu Gly Trp Asp	
127	5 10 15	
128		
129	GAC TGG ATC ATC GCG CCG CTG GAC TAC GAG GCG TAC CAC TGC GAG GGC	672
130	Asp Trp Ile Ile Ala Pro Leu Asp Tyr Glu Ala Tyr His Cys Glu Gly	
131	20 25 30	
132		
133	CTT TGC GAC TTC CCT TTG CGT TCG CAC CTC GAG CCC ACC AAC CAT GCC	720
134	Leu Cys Asp Phe Pro Leu Arg Ser His Leu Glu Pro Thr Asn His Ala	
135	35 40 45 50	
136		
137	ATC ATT CAG ACG CTG CTC AAC TCC ATG GCA CCA GAC GCG GCG CCG GCC	768
138	Ile Ile Gln Thr Leu Leu Asn Ser Met Ala Pro Asp Ala Ala Pro Ala	
139	55 60 65	
140		
141	TCC TGC TGT GTG CCA GCG CGC CTC AGC CCC ATC AGC ATC CTC TAC ATC	816
142	Ser Cys Cys Val Pro Ala Arg Leu Ser Pro Ile Ser Ile Leu Tyr Ile	
143	70 75 80	
144		
145	GAC GCC GCC AAC AAC GTT GTC TAC AAG CAA TAC GAG GAC ATG GTG GTG	864
146	Asp Ala Ala Asn Asn Val Val Tyr Lys Gln Tyr Glu Asp Met Val Val	
147	85 90 95	
148		
149	GAG GCC TGC GGC TGC AGG TAGCGCGCGG GCCGGGGAGG GGGCAGCCAC	912
150	Glu Ala Cys Gly Cys Arg	
151	100	
152		

**RAW SEQUENCE LISTING
PATENT APPLICATION US/09/945,182**

DATE: 01/11/2002
TIME: 22:33:10

INPUT SET: S36718.raw

153 GCGGCCGAGG ATCC
154
155
156 (2) INFORMATION FOR SEQ ID NO:2:
157
158 (i) SEQUENCE CHARACTERISTICS:
159 (A) LENGTH: 294 amino acids
160 (B) TYPE: amino acid
161 (D) TOPOLOGY: linear
162
163 (ii) MOLECULE TYPE: protein
164
165 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:
166
167 Ala Arg Asn Thr Thr His Tyr Arg Ala Asn Trp Val Arg Gly Pro Gly
168 -190 -185 -180 -175
169
170 Ser Trp Thr Ser Pro Pro Leu Leu Leu Ser Thr Cys Pro Gly Ala
171 -170 -165 -160
172
173 Ala Arg Ala Pro Arg Leu Leu Tyr Ser Arg Ala Ala Glu Pro Leu Val
174 -155 -150 -145
175
176 Gly Gln Arg Trp Glu Ala Phe Asp Val Ala Asp Ala Met Arg Arg His
177 -140 -135 -130
178
179 Arg Arg Glu Pro Arg Pro Arg Ala Phe Cys Leu Leu Leu Arg Ala
180 -125 -120 -115
181
182 Val Ala Gly Pro Val Pro Ser Pro Leu Ala Leu Arg Arg Leu Gly Phe
183 -110 -105 -100 -95
184
185 Gly Trp Pro Gly Gly Gly Ser Ala Ala Glu Glu Arg Ala Val Leu
186 -90 -85 -80
187
188 Val Val Ser Ser Arg Thr Gln Arg Lys Glu Ser Leu Phe Arg Glu Ile
189 -75 -70 -65
190
191 Arg Ala Gln Ala Arg Ala Leu Gly Ala Ala Leu Ala Ser Glu Pro Leu
192 -60 -55 -50
193
194 Pro Asp Pro Gly Thr Gly Thr Ala Ser Pro Arg Ala Val Ile Gly Gly
195 -45 -40 -35
196
197 Arg Arg Arg Arg Arg Thr Ala Leu Ala Gly Thr Arg Thr Ala Gln Gly
198 -30 -25 -20 -15
199
200 Ser Gly Gly Gly Ala Gly Arg Gly His Gly Arg Arg Gly Arg Ser Arg
201 -10 -5 1
202
203 Cys Ser Arg Lys Pro Leu His Val Asp Phe Lys Glu Leu Gly Trp Asp
204 5 10 15
205

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/945,182DATE: 01/11/2002
TIME: 22:33:10

INPUT SET: S36718.raw

206 Asp Trp Ile Ile Ala Pro Leu Asp Tyr Glu Ala Tyr His Cys Glu Gly
207 20 25 30
208
209 Leu Cys Asp Phe Pro Leu Arg Ser His Leu Glu Pro Thr Asn His Ala
210 35 40 45 50
211
212 Ile Ile Gln Thr Leu Leu Asn Ser Met Ala Pro Asp Ala Ala Pro Ala
213 55 60 65
214
215 Ser Cys Cys Val Pro Ala Arg Leu Ser Pro Ile Ser Ile Leu Tyr Ile
216 70 75 80
217
218 Asp Ala Ala Asn Asn Val Val Tyr Lys Gln Tyr Glu Asp Met Val Val
219 85 90 95
220
221 Glu Ala Cys Gly Cys Arg
222 100
223
224 (2) INFORMATION FOR SEQ ID NO:3:
225
226 (i) SEQUENCE CHARACTERISTICS:
227 (A) LENGTH: 1207 base pairs
228 (B) TYPE: nucleic acid
229 (C) STRANDEDNESS: single
230 (D) TOPOLOGY: linear
231
232 (ii) MOLECULE TYPE: DNA (genomic)
233
234 (vi) ORIGINAL SOURCE:
235 (A) ORGANISM: Homo sapiens
236
237 (vii) IMMEDIATE SOURCE:
238 (B) CLONE: MP52
239
240 (ix) FEATURE:
241 (A) NAME/KEY: CDS
242 (B) LOCATION: 845..1204
243
244
245 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:
246
247 ACCGGGCGGC CCTGAACCCA AGCCAGGACA CCCTCCCCAA ACAAGGCAGG CTACAGCCCG 60
248
249 GACTGTGACC CCAAAAGGAC AGCTTCCCGG AGGCAAGGCA CCCCCAAAAG CAGGATCTGT 120
250
251 CCCCAGCTCC TTCCTGCTGA AGAAGGCCAG GGAGCCGGG CCCCCACGAG AGCCAAGGA 180
252
253 GCCGTTTCGC CCACCCCCCA TCACACCCCA CGAGTACATG CTCTCGCTGT ACAGGACGCT 240
254
255 GTCCGATGCT GACAGAAAGG GAGGCAACAG CAGCGTGAAG TTGGAGGCTG GCCTGGCAA 300
256
257 CACCATCACC AGCTTTATTG ACAAAAGGGCA AGATGACCGA GGTCCCGTGG TCAGGAAGCA 360
258

ACCGGGCGGC CCTGAACCCA AGCCAGGACA CCCTCCCCAA ACAAGGCAGG CTACAGCCCG 60
GACTGTGACC CCAAAAGGAC AGCTTCCCGG AGGCAAGGCA CCCCCAAAAG CAGGATCTGT 120
CCCCAGCTCC TTCCTGCTGA AGAAGGCCAG GGAGCCGGG CCCCCACGAG AGCCAAGGA 180
GCCGTTTCGC CCACCCCCCA TCACACCCCA CGAGTACATG CTCTCGCTGT ACAGGACGCT 240
GTCCGATGCT GACAGAAAGG GAGGCAACAG CAGCGTGAAG TTGGAGGCTG GCCTGGCAA 300
CACCATCACC AGCTTTATTG ACAAAAGGGCA AGATGACCGA GGTCCCGTGG TCAGGAAGCA 360

PAGE: 1

SEQUENCE VERIFICATION REPORT
PATENT APPLICATION US/09/945,182

DATE: 01/11/2002
TIME: 22:33:11

INPUT SET: S36718.raw

Line

Error

Original Text

PAGE: 1

**SEQUENCE MISSING ITEM REPORT
PATENT APPLICATION US/09/945,182**

DATE: 01/11/2002
TIME: 22:33:11

INPUT SET: S36718.raw

<< THERE ARE NO ITEMS MISSING >>

PAGE: 1

SEQUENCE CORRECTION REPORT
PATENT APPLICATION US/09/945,182

DATE: 01/11/2002
TIME: 22:33:11

INPUT SET: S36718.raw

Line	Original Text	Corrected Text
1945	(C) INDIVIDUAL ISOLATE: primer number 8	(C) INDIVIDUAL ISOLATE: primer number 8